

## CLAIMS

1. An exhaust gas turbocharger comprising:

a twin scroll turbine housing;

5 a turbine wheel positioned in said twin scroll housing;

exhaust gas inlets, operatively connected to port exhaust gas through each side of said twin scroll turbine housing and onto said turbine wheel;

a bypass, operatively connected to port exhaust gas around said exhaust gas inlets to bypass said turbine wheel; and

10 a valve, operatively positioned to control exhaust gas flow to said exhaust gas inlets and said bypass.

2. The exhaust gas turbocharger of claim 1, where said valve is a barrel valve.

15 3. The exhaust gas turbocharger of claim 1, where said valve can be positioned to completely block said exhaust gas inlets on start-up to direct exhaust gas to heat a catalytic converter.

4. The exhaust gas turbocharger of claim 1, further comprising an electronic  
20 controller operationally coupled to position said valve.

5. An exhaust gas turbocharger mounted on a gasoline fueled engine, said exhaust gas turbocharger comprising:

a twin scroll turbine housing;  
a turbine wheel positioned in said twin scroll housing;  
exhaust gas inlets, operatively connected to port exhaust gas through each side  
of said twin scroll turbine housing and onto said turbine wheel;  
5 a bypass, operatively connected to port exhaust gas around said exhaust gas  
inlets to bypass said turbine wheel;  
a valve, operatively positioned to control exhaust gas flow to said exhaust gas  
inlets and said bypass; and  
a processor configured to position said valve.

10

6. The exhaust gas turbocharger of claim 5, where said valve is a barrel valve.

7. The exhaust gas turbocharger of claim 5, where said valve can be positioned to  
completely block said exhaust gas inlets on start-up to direct all exhaust gas to heat a  
15 catalytic converter.